

09337000 PINE CREEK NEAR ESCALANTE, UT

LOCATION.--Lat 37°51'45", long 111°38'07", in SW¹/4NE¹/4SW¹/4 sec. 12, T. 34 S., R. 2 E., Garfield County, Hydrologic Unit 14070005, Dixie National Forest, on right bank 0.1 mi downstream from "The Box" canyon, 0.2 mi upstream from unnamed right bank tributary, and 7.0 mi north of Escalante.

DRAINAGE AREA.--68.1 mi².

PERIOD OF RECORD.--July 1950 to September 1955, July 1957 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since June 16, 1994. Elevation of gage is 6,400 ft above sea level, from topographic map. Prior to August 15, 1978, on left bank at same datum.

REMARKS.--Records good except those for flows less than 2.0 ft³/s and estimated daily discharges, which are poor. Some regulation of low flow by several small headwater reservoirs (combined capacity 2,120 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,010 ft³/s, Aug 2, 1967, gage height, 7.72 ft, from rating curve extended above 180 ft³/s on basis of slope-area measurement at gage heights, 4.21 ft and 7.52 ft; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 12	2220	115	3.43	Jun 26	1620	*357	*5.00

Minimum daily discharge, 2.0 ft³/s, Jan 18, 19.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.5	4.0	e3.0	e3.0	e2.4	e2.4	6.6	26	6.3	5.0	5.6	5.7
2	e3.5	3.6	e3.0	e3.0	e2.4	e2.4	7.2	32	6.1	5.1	5.6	5.6
3	e3.5	3.7	e3.0	e3.0	e2.4	e2.4	7.3	19	6.0	6.2	5.9	5.5
4	e3.0	e3.5	e3.0	e3.0	e2.6	e2.6	6.6	13	5.9	6.4	6.3	5.4
5	e3.0	e3.0	e3.0	e3.5	e2.6	e2.6	6.5	8.9	5.8	6.4	5.9	5.5
6	e3.0	e3.0	e3.0	e3.5	e2.6	e2.8	6.1	8.3	5.7	6.4	5.7	5.4
7	e3.0	e3.0	e3.0	e3.0	e2.6	3.8	6.0	9.2	5.6	6.6	5.8	5.4
8	e5.0	e3.5	e3.5	e3.0	e2.4	3.5	5.8	13	5.6	6.6	6.3	5.5
9	e4.0	e3.5	e3.5	e3.5	e2.2	3.4	5.6	22	5.4	6.9	6.6	5.5
10	e7.0	e3.0	e3.5	e3.5	e2.2	3.5	5.8	28	5.2	7.0	6.6	5.5
11	e5.0	e3.0	e3.0	e3.5	e2.2	3.2	5.4	41	5.1	7.6	6.5	5.4
12	e3.0	e3.0	e3.5	e3.5	e2.2	3.1	5.3	57	5.1	7.6	6.1	5.4
13	3.0	e2.5	e3.0	e3.5	e2.2	3.2	5.0	61	5.2	7.2	7.7	6.3
14	3.0	e2.5	e3.5	e3.0	e2.2	3.1	5.3	56	5.5	8.4	6.6	5.6
15	3.0	e2.5	e3.5	e3.0	e2.2	3.2	5.4	49	6.0	7.1	6.2	5.4
16	2.9	e2.5	e3.5	e2.6	e2.2	3.4	6.0	42	6.0	5.4	6.7	5.5
17	2.9	e2.5	e3.5	e2.4	e2.2	3.5	7.1	39	5.7	5.0	6.3	5.6
18	2.9	e2.5	e3.0	e2.0	e2.2	3.3	8.9	36	5.5	4.8	6.0	5.5
19	2.9	e3.0	e3.0	e2.0	e2.0	2.2	3.5	11	38	5.3	4.7	6.1
20	2.9	e3.0	e3.0	e2.2	e2.2	4.0	12	33	5.1	4.5	6.3	5.3
21	3.1	e3.0	e3.0	e2.2	e2.2	4.6	10	25	4.9	4.4	6.4	5.3
22	4.2	e3.0	e3.5	e2.4	e2.2	5.9	8.8	18	4.8	4.3	6.5	5.3
23	12	e3.0	e3.0	e2.4	e2.2	5.7	8.0	14	5.2	4.2	6.1	5.3
24	5.6	e3.0	e3.5	e2.4	e2.2	5.8	8.2	12	6.2	4.1	5.9	5.3
25	4.2	e3.0	e3.5	e2.6	e2.2	6.2	9.6	11	5.5	4.2	5.7	5.2
26	3.8	e3.0	e3.5	e2.6	e2.2	5.9	14	9.5	14	6.0	5.6	5.2
27	10	e3.0	e3.0	e2.6	e2.4	5.8	15	8.7	7.4	7.5	5.5	5.2
28	6.3	e3.0	e3.0	e2.6	e2.4	5.8	15	8.1	6.0	7.5	5.5	5.2
29	5.1	e3.0	e3.0	e2.4	---	6.0	17	7.5	5.5	7.4	7.2	5.2
30	5.2	e3.0	e3.0	e2.4	---	5.7	17	6.9	5.2	6.6	6.1	5.2
31	4.5	---	e3.0	e2.4	---	5.9	---	6.5	---	5.8	5.7	---
TOTAL	134.0	90.8	99.0	86.7	64.4	126.2	257.5	758.6	176.8	186.9	191.0	162.8
MEAN	4.132	3.03	3.19	2.80	2.30	4.07	8.58	24.5	5.89	6.03	6.16	5.43
MAX	12	4.0	3.5	3.5	2.6	6.2	17	61	14	8.4	7.7	6.3
MIN	2.9	2.5	3.0	2.0	2.2	2.4	5.0	6.5	4.8	4.1	5.5	5.2
AC-FT	266	180	196	172	128	250	511	1500	351	371	379	323

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1955, 1958 - 2001, BY WATER YEAR (WY)

MEAN	3.12	2.87	2.29	2.25	2.26	2.79	6.98	17.4	7.31	5.67	4.96	4.20
MAX	9.65	8.09	6.25	6.20	6.70	6.78	28.9	50.9	34.5	25.4	15.2	16.5
(WY)	1999	1999	1984	1999	1984	1999	1987	1958	1983	1983	1983	1998
MIN	.000	.000	.000	.045	.039	.052	.070	.21	.000	.000	.000	.000
(WY)	1965	1965	1965	1965	1965	1965	1977	1977	1977	1955	1954	1955

ESCALANTE RIVER BASIN

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1951-55, 1958-2001
ANNUAL TOTAL	1869.7	2334.7	5.20
ANNUAL MEAN	5.11	6.40	12.5 .62
HIGHEST ANNUAL MEAN			1983 1977
LOWEST ANNUAL MEAN			
HIGHEST DAILY MEAN	34	Apr 27	205 May 18 1964
LOWEST DAILY MEAN	2.5	Nov 13	.00 Mar 12 1954
ANNUAL SEVEN-DAY MINIMUM	2.6	Nov 12	.00 Jun 17 1954
ANNUAL RUNOFF (AC-FT)	3710	4630	3770
10 PERCENT EXCEEDS	6.4	9.0	9.5
50 PERCENT EXCEEDS	4.5	5.1	3.1
90 PERCENT EXCEEDS	3.0	2.4	.60

e Estimated

